

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
08173/009001SERIAL NO.
08/846,916INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)APPLICANT:
Gordon R. Knight, et al.FILING DATE
April 29, 1997GROUP
2627

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/KC/	AA	5	1	0	5	4	0	8	4/14/92	Lee, et al.	369	44.15	
/KC/	AB	5	1	2	5	7	5	0	6/30/92	Corle, et al.	359	819	
/KC/	AC	5	4	9	7	3	5	9	3/5/96	Mamin, et al.	369	44.15	
/KC/	AD	5	2	0	2	8	8	0	4/13/93	Lee et al.	369	275.4	
/KC/	AE	5	4	7	0	6	2	7	11/28/95	Lee et al.	428	64.4	
/KC/	AF	5	2	3	2	5	7	0	8/3/93	Haines et al.	204	192.16	
/KC/	AG	5	1	5	3	8	7	0	10/6/92	Lee et al.	369	111	
/KC/	AH	5	2	2	3	7	1	0	6/29/93	Pavlak	250	230	
/KC/	AI	4	9	6	5	7	8	0	10/23/90	Lee et al.	369	13	
/KC/	AJ	4	9	8	7	2	9	2	1/22/91	Howard	250	201.5	
/KC/	AK	5	0	2	0	0	4	0	5/28/91	Lee	369	13	
/KC/	AL	5	1	1	2	6	6	2	5/12/92	Ng	428	64	
/KC/	AM	5	1	1	5	3	6	3	5/19/92	Khan et al.	360	104	
/KC/	AN	5	1	2	8	2	1	6	7/7/92	Ng	428	695	
/KC/	AO	5	1	2	0	6	0	3	6/9/92	Schmidt	428	336	
/KC/	AP	5	1	6	1	1	3	4	11/3/92	Lee	369	13	
/KC/	AQ	5	1	8	2	4	4	4	1/26/93	Howard	250	201.5	
/KC/	AR	5	1	9	1	5	6	3	3/2/93	Lee et al.	369	13	
/KC/	AS	5	2	4	3	2	4	1	9/7/93	Wang	310	36	
/KC/	AT	5	2	4	7	5	1	0	9/21/93	Lee et al.	369	118	
/KC/	AU	5	2	6	0	9	2	8	11/9/93	Lee et al.	369	112	
/KC/	AV	5	3	0	7	3	3	6	4/26/94	Lee et al.	369	112	
/KC/	AW	5	3	8	1	4	0	2	1/10/95	Lee et al.	369	291	
/KC/	AX	5	4	5	2	2	8	3	9/19/95	Lee et al.	369	112	
/KC/	AY	5	4	6	7	2	3	8	11/14/95	Lee et al.	360	128	
/KC/	AZ	5	4	8	6	9	7	0	1/23/96	Lee et al.	360	128	
/KC/	BA	1	4	5	5	5	0	4	5/15/23	D.E. Odem			
/KC/	BB	3	6	0	9	7	2	1	9/28/71	William E. Meneley	340	174.1E	
/KC/	BC	3	8	9	7	0	6	9	7/29/75	Lee	274	47	
/KC/	BD	4	1	0	1	9	4	8	7/18/78	Tadokoro, et al.	360	137	
/KC/	BE	4	5	1	9	0	5	9	5/21/85	Denis	369	74	
/KC/	BF	4	6	2	2	6	1	8	11/11/86	Oishi, et al.	360	133	

/KC/	BG	4	6	6	1	8	7	4	4/28/97	Buehl, et al.	360	128	
/KC/	BH	5	1	3	6	4	4	8	8/4/92	Kiriyama, et al.	360	128	
/KC/	BI	5	2	2	8	0	2	2	7/13/93	Compton, et al.	369	72	
/KC/	BJ	5	6	0	2	8	2	0	2/11/97	Wickramasinghe et al.	369	126	
/KC/	BK	5	4	4	5	0	1	1	8/29/95	Ghislain et al.	250	306	
/KC/	BL	5	2	8	8	9	9	7	2/22/94	Betzig et al.	359	356	
/KC/	BM	5	1	2	1	2	5	6	6/9/92	Corle	359	356	
/KC/	BN	5	6	0	2	8	1	9	2/11/97	Inagaki et al.	369	112	
/KC/	BP	5	5	4	1	8	8	8	7/30/96	Russell	369	112	
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/KC/	BQ	5	4	5	0	3	7	9	8/1993	Fujimori et al.	369	275.1	
/KC/	BR	5	6	3	1	8	9	3	12/94	Kang et al.	369	44.15	
/KC/	BR-2	4	7	9	44	5	8	6	12/27/88	Korth	369	215	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
/KC/	BS	62-204421	9/9/87	Japan	5	41	X	
/KC/	BT	62-31080	2/10/87	Japan	23	03	X	

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

/KC/	BU	Hayashi, S., et al., "Solid Immersion Lens for Optical Storage," Stanford University, G.L. Report No. (document)											
/KC/	BV	Ichimura, Isao, et al., "High Density Optical Recording Using a Solid Immersion Lens," Stanford University, November 1995, pp. 1-22 and Figs. 1-17.											
/KC/	BW	Mamin, H.J., et al., "High density optical recording with a flying solid immersion lens," presented at Conference in San Diego, California in May, 1995, pp 1-2.											
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/KC/	BY	Rubin, Kurt A., et al., "Volumetric Magneto-Optic Storage on Multiple Recording Surfaces", July 8-12, 1996, Volume 12											
/KC/	BZ	Kashiwagi, Toshiyuki, "Dual Layer Disk Overview", <u>Technical Digest</u> , 1996, Volume 12											
/KC/	CA	Maeda, Fumisada, et al., "High Density Optical Disk System Using a New Two-Element Lens and a Thin Substrate," Sony Corporation, pgs. 342-344											
/KC/	CB	Rubin, Kurt A., et al., "Multilevel Volumetric Optical Storage", SPIE Vol. 2338 <u>Optical Data Storage</u> 1996, pp. 1-4											

EXAMINER	/Kim Kwok Chu/ (05/10/2007)	DATE CONSIDERED	05/10/2007
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include communication to applicant.			

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08173-009005	Application No. 10823457
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Gordon R. Knight, et al.	
		Filing Date 12/2/2004	Group Art. Unit 2627

(37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/KC/	AA	5004307	4/1991	Kino et al.			
/KC/	AB	5125750	6/1992	Corle et al.			
/KC/	AC	5220403	6/1993	Batchelder et al.			
/KC/	AD	5497359	3/1996	Mamin et al.			
/KC/	AE	5729393	3/1998	Lee et al.			
/KC/	AF	5764613	6/1998	Yamamoto et al.			
/KC/	AG	5,625,609	Apr. 29, 1997	Latta et al.			
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/KC/	AJ	5,274,509	12/93	Buch			
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/KC/	AL	5,270,998	12/93	Uchiumi			
/KC/	AM	5,422,872	6/95	Hsu et al.			
/KC/	AN	4,641,023	2/87	Ando et al.			
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/KC/	AQ	6214482	4/01	Jahnes et al.			
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/KC/	AT	5654058	8/97	Kirino et al.			
/KC/	AU	5498507	3/96	Handa et al.			
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/KC/	AW	5109375	4/92	Greidanus et al.			
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/KC/	AY	5197050	3/93	Murakami et al.			
/KC/	AZ	5255260	10/93	Yamada et al.			
/KC/	AAA	5295122	3/94	Murakami et al.			

Examiner Signature /Kim Kwok Chu/ (05/10/2007)	Date Considered 05/10/2007
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08173-009005	Application No. 10/823457
	Applicant Gordon R. Knight, et al.		
	Filing Date 4/12/2004	Group and Unit 2627	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/KC/	ABB	5432763	7/95	Campbell et al.			
/KC/	ACC	5537378	7/96	Uehara et al.			
/KC/	ADD	5506828	4/96	Kanno et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/KC/	AEE	1-161308	6/89	Japan			X	
/KC/	AFF	EP0280366A1	8/88	EPO				
/KC/	AGG	EP0727777A1	8/96	EPO				
/KC/	AHH	JP-04-184725	7/92	Japan - abstract				
/KC/	AII	JP-08-007313	1/96	Japan - abstract				
/KC/	AJJ	JP-08-315404	11/96	Japan - abstract				
/KC/	AKK	JP-61-150394	7/86	Japan - abstract				
/KC/	ALL	503607A2	9/92	EP				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
/KC/	AMM	Yamamoto et al., "0.8 Numerical Aperture Two Element Objective Lens for the Optical Disk," ISOM/ODS'96, Conference in Maui, Hawaii (USA), Research Center, Sony Corporation, pages 43a-43c, July 8-12, 1996
/KC/	ANN	Betzig et al., "Near-field magneto-optics and high density data storage," Appl. Phys. Lett. Vol. 61, No. 2, pages 142-144, July 13, 1992
	AOO	
	APP	

Examiner Signature /Kim Kwok Chu/ (05/10/2007)	Date Considered 05/10/2007
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